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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/025,717	12/19/2001	David J. Doddek	01-575	8006
719	7590	03/18/2005	EXAMINER	
CATERPILLAR INC. 100 N.E. ADAMS STREET PATENT DEPT. PEORIA, IL 616296490			BHAT, ADITYA S	
			ART UNIT	PAPER NUMBER
			2863	

DATE MAILED: 03/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

Office Action Summary	Application No. 10/025,717	Applicant(s) DODDEK ET AL.	
	Examiner Aditya S. Bhat	Art Unit 2863	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 December 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chou et al. (USPN 6,330,499) in view of Jones (USPN 6,748,318)

With regard to Claim 1, Chou et al. (USPN 6,330,499) teaches a method for analyzing machine data, the machine data representing at least one condition of a machine, comprising the steps of:

storing said machine data in a data system; (203; See figure 1, 340, 350; figure 2)

defining a testing procedure by selecting from a plurality of diagnostic processes; (100; See figure 1) (Col.8, lines 8-10)

processing said machine data based on said testing procedure to determine a machine exception; and (300; See figure 2)

generating a notification in the event of a machine exception. (Col.8, lines 4-7)

With regard to Claim 2, Chou et al. (USPN 6,330,499) teaches a selecting a test and defined parameters for said test. (Col.8, lines 8-10)

With regard to Claim 3, Chou et al. (USPN 6,330,499) teaches notification is relayed to a notification device. (101; figure 3)

With regard to Claim 4, and 13 Chou et al. (USPN 6,330,499) teaches notification device is a hand held communications device. (102; Figure 3)

With regard to Claim 5, Chou et al. (USPN 6,330,499) teaches procedure is run on a sequencer. (300; figure2)

With regard to Claim 6, Chou et al. (USPN 6,330,499) teaches storing step comprises the steps of: storing said machine data on said machine in packets; and transferring said packets via a communications network to said data system. (See figure 1)

With regard to Claim 7, Chou et al. (USPN 6,330,499) teaches storing step includes the step of: streaming said machine data from said machine to said data system via a communications network. (See figure 1)

Chou et al. (USPN 6,330,499) does not explicitly disclose a pre-defined owner input.

The Jones et al. (USPN 6,748,318) reference explicitly discloses a pre-defined owner input. (Col.13, lines 30-31)

It would be obvious to one skilled in the art at the time of the invention to modify the Chou et al. (USPN 6,330,499) reference to include the pre-defined owner input taught by Jones et al. (USPN 6,748,318) in order to notify a user in advance. (Col.1, lines 43-46)

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 8-26 are rejected under 35 U.S.C. 102(a) as being anticipated by Chou et al. (USPN 6,330,499).

With regard to Claim 8, Chou et al. (USPN 6,330,499) teaches a system for analyzing machine data, the machine data representing at least one condition of a machine, comprising:

a data system configured to store machine data; (203; See figure 1, 340, 350; figure 2)

an owner input device configured to accept a plurality of different owner inputs, each associated with one or more diagnostic processes; (310; figure 2) and

an analyzer configured to accept a procedure selected by an owner, from said plurality of owner inputs, said analyzer configured to process said machine data based upon said procedure to determine a machine exception and generate a notification in the event of a machine exception (300; See figure 2) and

generating a notification in the event of said machine exception. (Col. 8, lines 4-7)

With regard to Claim 14, Chou et al. (USPN 6,330,499) teaches a method for analyzing machine data, the machine data representing at least one condition of a machine, comprising the steps of:

storing said machine data in a data system; (203; See figure 1, 340, 350; figure 2)

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defining at least one testing procedure by selecting from a plurality of owner inputs, each associated with one or more diagnostic processes to be associated with said machine data; (100;See figure 1) (Col.8, lines 8-10)

processing said machine data based upon said procedure; (300;See figure 2)
determining a machine exception from said procedure; (Col.8, lines 18-14) and
generating a report in the event of said machine exception. (Col.8, lines 4-7)

With regard to Claim 17, Chou et al. (USPN 6,330,499) teaches a system for analyzing machine data, the machine data representing at least one condition of a machine, comprising:

a data system configured to store machine data; (203;See figure 1, 340, 350; figure 2)and

an owner input device configured to accept a plurality of different owner inputs, each associated with one or more diagnostic processes; (310;figure 2) and

an analyzer configured to accept a procedure selected by an owner, from said plurality of owner inputs, said analyzer configured to process said machine data based upon said procedure to determine a machine exception and generate a notification in the event of a machine exception (300;See figure 2) and

said analyzer generating a report in the event of said machine exception. (Col.8, lines 4-7)

With regard to Claim 20, Chou et al. (USPN 6,330,499) teaches a method for providing an exception-based report, said report based on machine data representing at least one condition of a machine, comprising the steps of:

analyzing one or more sets of machine data based on prior input by an owner
selecting a testing procedure for generating said one or more sets of machine data;
(Col.9, lines 1-20)

checking for machine exceptions in said machine data; and(Col.9, lines 12-14)

generating a report in the event of said machine exception. (Col.9, lines 22-23)

With regard to Claim 23, Chou et al. (USPN 6,330,499) teaches system for providing an exception-based report, said report based on machine data representing at least one condition of a machine, comprising:

an owner input device configured to accept a plurality of different owner inputs, each associated with one or more diagnostic processes; (310;figure 2) and

an analyzer configured to process one or more distinct sets of machine data based upon prior selection of at least one of said plurality of different owner inputs by an owner, (300;See figure 2)

said analyzer configured to check for machine exception in said machine data,

said analyzer configured to generate a report in the event of a machine exception; (Col.9, lines 4-7) and

a notification device for receiving said report. (See figure 3)

With regard to Claim 9 and 22, Chou et al. (USPN 6,330,499) teaches a communications network for relaying said machine data from said machine to said data system. (see figure 1)

With regard to Claim 10, Chou et al. (USPN 6,330,499) teaches a communications network comprises wireless communication means. (See figure 1)

With regard to Claim 11, Chou et al. (USPN 6,330,499) teaches a procedure comprises a test selected by said owner and at least one parameter defined by said owner and associated with said test. (Col. 7, lines 1-40)

With regard to Claim 12, Chou et al. (USPN 6,330,499) teaches further comprising: a notification device for receiving said notification via said communications network. (Col.5, lines 34-40)

With regard to Claim 15 Chou et al. (USPN 6,330,499) teaches selecting at least one test to be associated with said machine data; defining at least one parameter associated with said test; and wherein said processing step includes running said tests in relation to said machine data. (Col. 7, lines 1-40)

With regard to Claim 16 Chou et al. (USPN 6,330,499) teaches an analyzer based upon said procedure, which is defined by said owner, performs processing step. (Col. 6, lines 25-30)

With regard to Claim 18, Chou et al. (USPN 6,330,499) teaches further comprising: a communications network for relaying said machine data from said machine to said data system. (see figure 1)

With regard to Claim 19, Chou et al. (USPN 6,330,499) teaches wherein said procedure is comprised of at least one test selected by said owner, said test having at least one associated parameter defined by said owner. (Col. 6, lines 25-30)

With regard to Claim 21, Chou et al. (USPN 6,330,499) teaches an exception alert and wherein said alert is relayed to a notification device. (Col. 6 lines 62-67)

With regard to Claim 24, Chou et al. (USPN 6,330,499) teaches report comprises an exception alert and wherein said notification device is a portable communications device. (102; Figure 3)

With regard to Claim 25, Chou et al. (USPN 6,330,499) teaches a communications network for wirelessly relaying said report to said notification device. (150b; figure 1)

With regard to Claim 26, Chou et al. (USPN 6,330,499) teaches a data system for storing said machine data; (203; See figure 1, 340,350; figure 2) and

wherein said communications device relays said machine data from said machine to said data system. (See figure 1)

Response to Amendment

Applicant's arguments with respect to claims 1-26 have been considered but are moot in view of the new ground(s) of rejection. Claims 1 and 2 have the limitation of the *predefined* owner inputs, however claims 8-26 merely recite owner inputs. Therefore the previous rejection of claims 8-26 is still deemed proper.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Abe et al. (USPN 5,758,300) teaches a diagnosis system for motor vehicles and the method thereof.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aditya S Bhat whose telephone number is 703-308-0332. The examiner can normally be reached on M-F 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on 703-308-3126. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-5841 for regular communications and 703-308-5841 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.



MICHAEL NGHIEM
PRIMARY EXAMINER

Aditya S. Bhat
March 8, 2005